

L Number	Hits	Search Text	DB	Time stamp
1	11	((65/17.2,901).CCLS.) and (pyrogenic\$4 near5 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:09
2	678	(65/17.1,17.2,901).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:04
3	476	((65/17.1,17.2,901).CCLS.) and silic\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:05
4	12	((65/17.1,17.2,901).CCLS.) and silic\$2) and (pyrogenic or pyrogenically)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:05
5	1	((65/17.1,17.2,901).CCLS.) and silic\$2) and (pyrogenic or pyrogenically)) not (((65/17.2,901).CCLS.) and (pyrogenic\$4 near5 silic\$2))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:05
6	63	((65/17.1,17.2,901).CCLS.) and (acetic adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:10
7	1	((65/17.1,17.2,901).CCLS.) and (acetic adj acid)) and (tmah or tetramethyl\$1ammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:09
8	1	((65/17.1,17.2,901).CCLS.) and ((acetic adj acid) adj (ethyl adj ester))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 09:10
-	4631	pyrogenic\$4 near5 silic\$2	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/14 11:27
-	47	(pyrogenic\$4 near5 silic\$2) and (tmah or (tetramethylammonium adj hydroxide))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:23
-	636	(pyrogenic\$4 near5 silic\$2) and (acetic adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:24
-	6	(pyrogenic\$4 near5 silic\$2) and ((acetic adj acid) adj (ethyl adj ester))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:24
-	1	((pyrogenic\$4 near5 silic\$2) and ((acetic adj acid) adj (ethyl adj ester))) and (gelation or gellation or gelling)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:24
-	3	((pyrogenic\$4 near5 silic\$2) and ((acetic adj acid) adj (ethyl adj ester))) and sinter\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:24
-	11	((pyrogenic\$4 near5 silic\$2) and (tmah or (tetramethylammonium adj hydroxide))) and (gelation or gellation or gelling)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:25

-	4	((pyrogenic\$4 near\$5 silic\$2) and (tmah or (tetramethylammonium adj hydroxide))) and (gelation or gellation or gelling)) and sinter\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 08:30
-	561	(65/17.2,901).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:22
-	589	(423/338).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:22
-	328	(501/54).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:22
-	1	((65/17.2,901).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) and (acetic adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:39
-	5	((65/17.2,901).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) and (tmah or tetramethyl\$1ammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:38
-	6	((65/17.2,901).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) not (((65/17.2,901).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) and (tmah or tetramethyl\$1ammonium))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:26
-	19	((423/338).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:39
-	8	((501/54).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:38
-	0	((423/338).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) and (tmah or tetramethyl\$1ammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:38
-	0	((423/338).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) and (acetic adj acid)) and tetramethylammonium	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:39
-	8	((501/54).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:39
-	4	((423/338).CCLS.) and (pyrogenic\$4 near\$5 silic\$2)) and (acetic adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 10:44
-	584	(pyrogenic\$4 near\$5 silic\$2) same glass	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 14:08
-	17	((pyrogenic\$4 near\$5 silic\$2) same glass) and (tmah or tetramethyl\$1ammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 14:12
-	9	((pyrogenic\$4 near\$5 silic\$2) same glass) and (tmah or tetramethyl\$1ammonium)) and (acetic adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/13 14:13

-	2	("5207814").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/14 11:28
-	2	("4681615").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/14 11:28
-	2	("4801318").PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/07/14 11:28
-	777	(501/39,53,54).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 10:14
-	2	(((501/39,53,54).CCLS.) and ((pyrogenic or pyrogenically) near10 silic\$2)) and (acetic adj acid)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 09:54
-	10	((501/39,53,54).CCLS.) and ((pyrogenic or pyrogenically) near10 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 10:16
-	186	((501/39,53,54).CCLS.) and gel\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 10:25
-	7	(((501/39,53,54).CCLS.) and gel\$5) and ((pyrogenic or pyrogenically) near10 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 10:16
-	186	((501/39,53,54).CCLS.) and gel\$5	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 10:25
-	8	(((501/39,53,54).CCLS.) and gel\$5 ) and (tmah or tetramethylammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/17 10:25

L Number	Hits	Search Text	DB	Time stamp
1	237	(65/395,440).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:32
2	590	(423/338).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:32
3	429	(516/81,85,86,111).CCLS.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:32
4	1146	((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:33
5	38	(((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)) and ((pyrogenic or pyrogenically) near10 silic\$2)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:34
7	0	((((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)) and ((pyrogenic or pyrogenically) near10 silic\$2)) and (ethyl adj acet\$3)) and (tmah or tetramethyl\$1ammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:35
8	0	((((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)) and ((pyrogenic or pyrogenically) near10 silic\$2)) and (ethyl adj acet\$3)) and (tmah or tetramethylammonium)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:35
9	0	((((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)) and ((pyrogenic or pyrogenically) near10 silic\$2)) and (ethyl adj acet\$3)) and tetramethylammonium	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:35
10	0	((((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)) and ((pyrogenic or pyrogenically) near10 silic\$2)) and (ethyl adj acet\$3)) and tetramethylammonium	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:35
6	4	(((65/395,440).CCLS.) or ((423/338).CCLS.) or ((516/81,85,86,111).CCLS.)) and ((pyrogenic or pyrogenically) near10 silic\$2)) and (ethyl adj acet\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2004/08/18 10:36



Enter a Chemical Name, CAS Number, Molecular Formula or Weight.  
Use \* for partial names (e.g. ben\*).  
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 **ethyl acetate** [141-78-6]

Synonyms: acetidin; Acetic ester; Acetic ether; acetoxyethane; Ethyl acetate; Ethyl acetate ; Ethyl acetic ester; vinegar naphtha;

	<b>Tools</b>	<b>OpenChem</b>
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	<b>CAS RN Lookup</b>	
	<a href="#">THE MERCK INDEX</a> <a href="#">NCI DATABASE</a>	

Formula	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub>	Molecular Weight	88.106
CAS RN	141-78-6	Melting Point (°C)	-83.6
ACX Number	X1001268-7	Boiling Point (°C)	77.1
Density	0.8945	Vapor Density	3
Refractive Index	1.372	Vapor Pressure	76
Evaporation Rate	6	Water Solubility	Moderately sol. 8 g/100 mL
Flash Point (°C)	-4	EPA Code	K086; U112
DOT Number	UN 1173 Flammable liquid	RTECS	AH5425000
Comments	Colorless liquid with a pleasant, fruity odor detectable at 7 to 50 ppm. MOISTURE SENSITIVE.		

More information about the chemical is available in these categories:

Biochemistry	Health	Misc	MSDS
Pesticides/Herbicides	Physical Properties	Regulations	Structures
Trading	Usage		

**Biochemistry (3)**

Biocatalysis/Biodegradation Database

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Enter a Chemical Name, CAS Number, Molecular Formula or Weight.

Use \* for partial names (e.g. ben\*).

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### ethyl lactate [97-64-3]

Synonyms: ethyl lactate; Ethyl L-lactate; Lactic acid ethyl ester; Propanoic acid, 2-hydroxy-, ethyl ester;

	<b>Tools</b>	<b>OpenChem</b>
	<a href="#">BUY AT CHEMACX.COM</a> <a href="#">VIEW CHEMDRAW STRUCT</a> <a href="#">VIEW CHEM3D MODEL</a>	<a href="#">VIEW LINKS</a> <a href="#">ADD COMPOUND</a> <a href="#">ADD/CHANGE PROPERTY</a> <a href="#">ADD LINK</a>
	<b>CAS RN Lookup</b>	
	<a href="#">THE MERCK INDEX</a> <a href="#">NCI DATABASE</a>	

Formula	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>	Molecular Weight	118.1322
CAS RN	97-64-3	Melting Point (°C)	-26
ACX Number	X1001041-6	Boiling Point (°C)	151
Density	1.0302	Vapor Density	4.07
Refractive Index	1.4124	Vapor Pressure	
Evaporation Rate		Water Solubility	
Flash Point (°C)	46	EPA Code	
DOT Number	UN 1192	RTECS	OD5075000
	Combustible liquid		
Comments	Colorless liquid		

More information about the chemical is available in these categories: